Claims

1. Method for non-destructive testing of carbide-containing alloys, with near-surface oxide areas (9) of oxidated carbides being determined by means of eddy-current measurement.

2. Method for non-destructive testing of a gas turbine blade (1) of a carbide-containing alloy, with the near-surface oxide areas (9) of oxidated carbides being determined by means of eddy-current measurement.

3. Method in accordance with Claim 2, with the alloy being a nickel- or cobalt-based superalloy.

4. Method for the manufacture of a gas turbine blade (1), with a main body (5) of the gas turbine blade (1) being cast, the surface (3) of the main body (5) being cleaned and activated for the application of an anti-corrosive coating (7), and the anti-corrosive coating (7) then being applied, with the surface being tested for the presence of oxide areas of oxidated carbides using eddy-current measurement after the casting and before the cleaning and activating.

5. Method in accordance with Claim 4, with the main body (5) consisting of a nickel- or cobalt-based superalloy.

6. Method in accordance with Claim 5, with the protective coating (7) consisting of a MCrAlY type of alloy, with M being selected from the (Fe, Co, Ni) group, Cr chrome, Al aluminum and Y from the (Y, La, rare earths) group.

7. Method for non-destructive testing of a nickel- or cobalt-based alloy with near-surface sulfidized corrosion areas (9) being determined by means of eddy-current measurements.

8. Method of non-destructive testing of a gas turbine blade (1) of nickel- or cobalt-based alloy, with the near-surface sulfidized corrosion areas (9) being determined by means of eddy-current measurements.